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FIG. 1

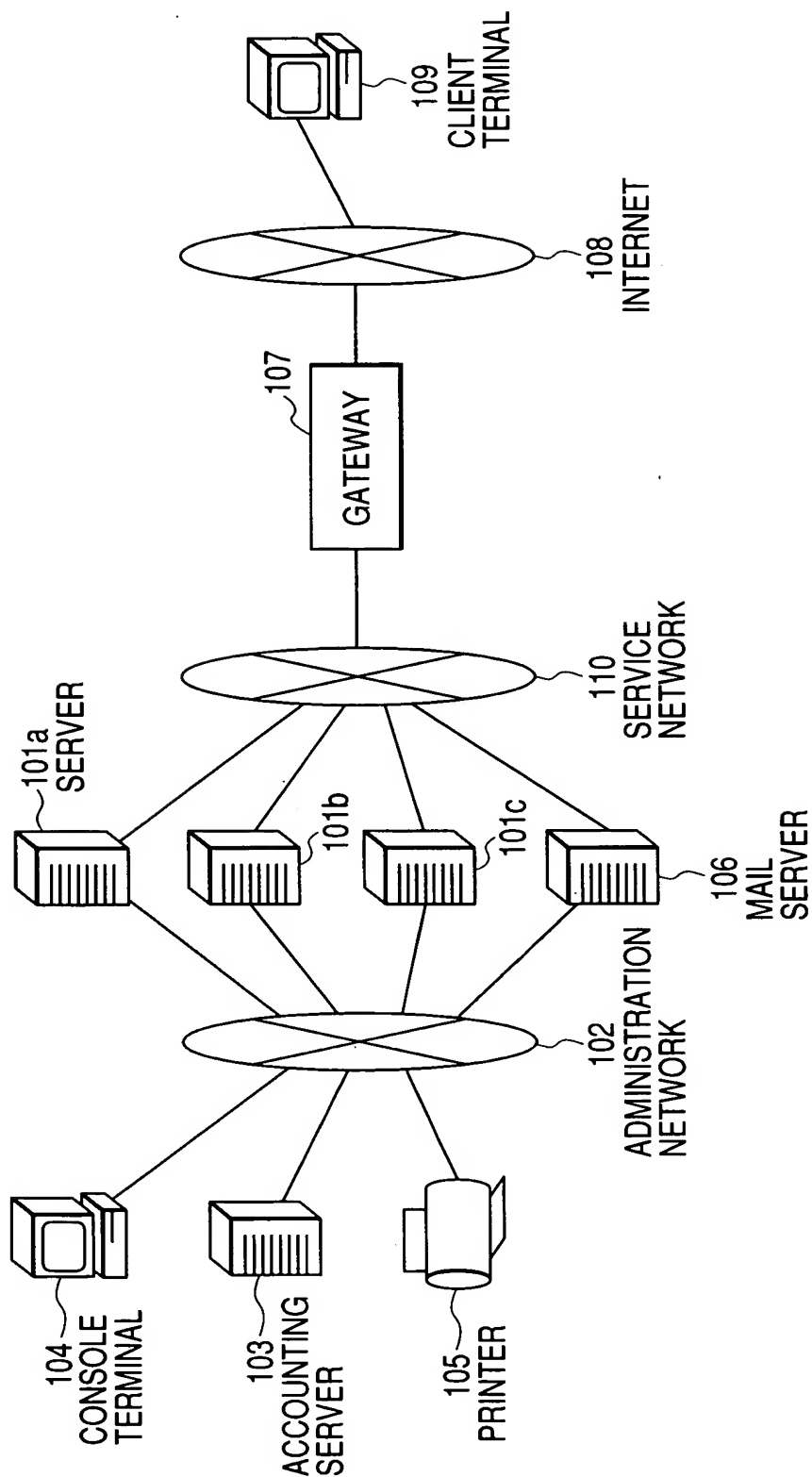
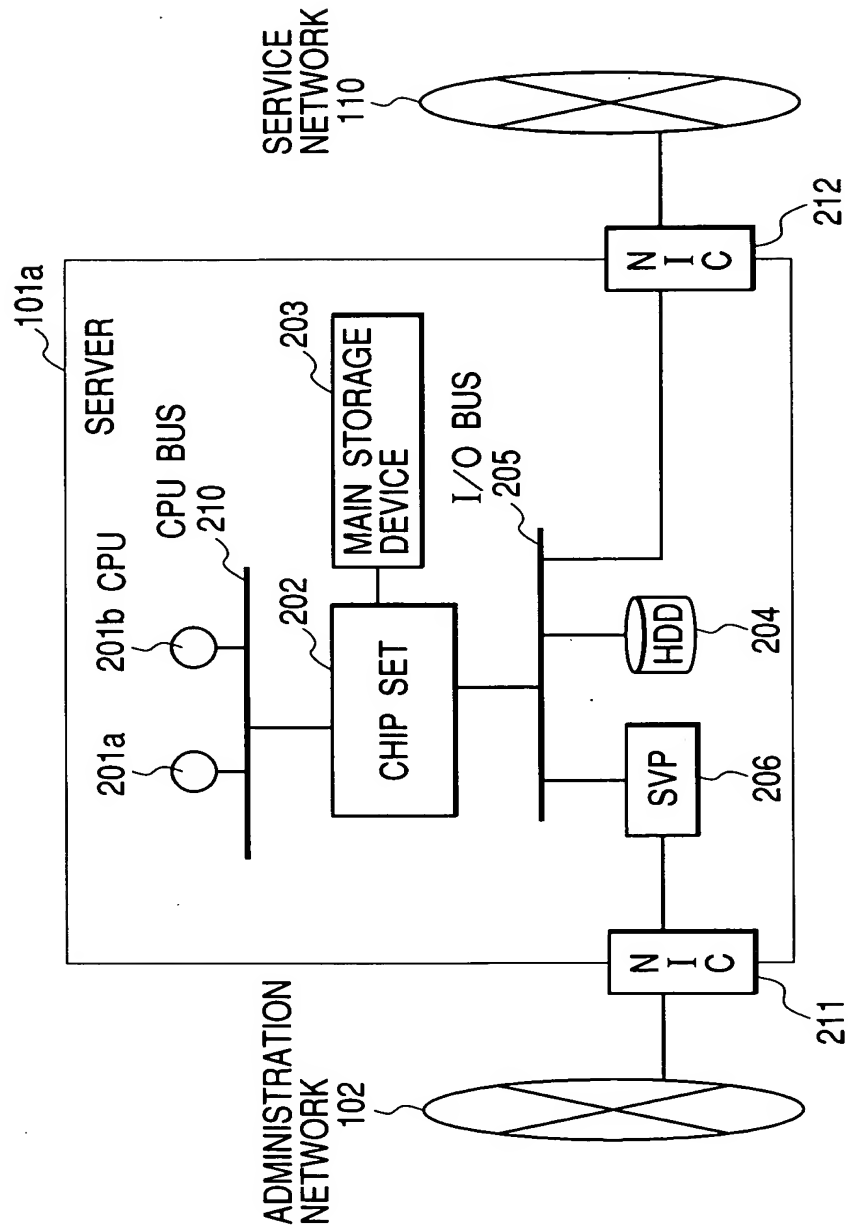
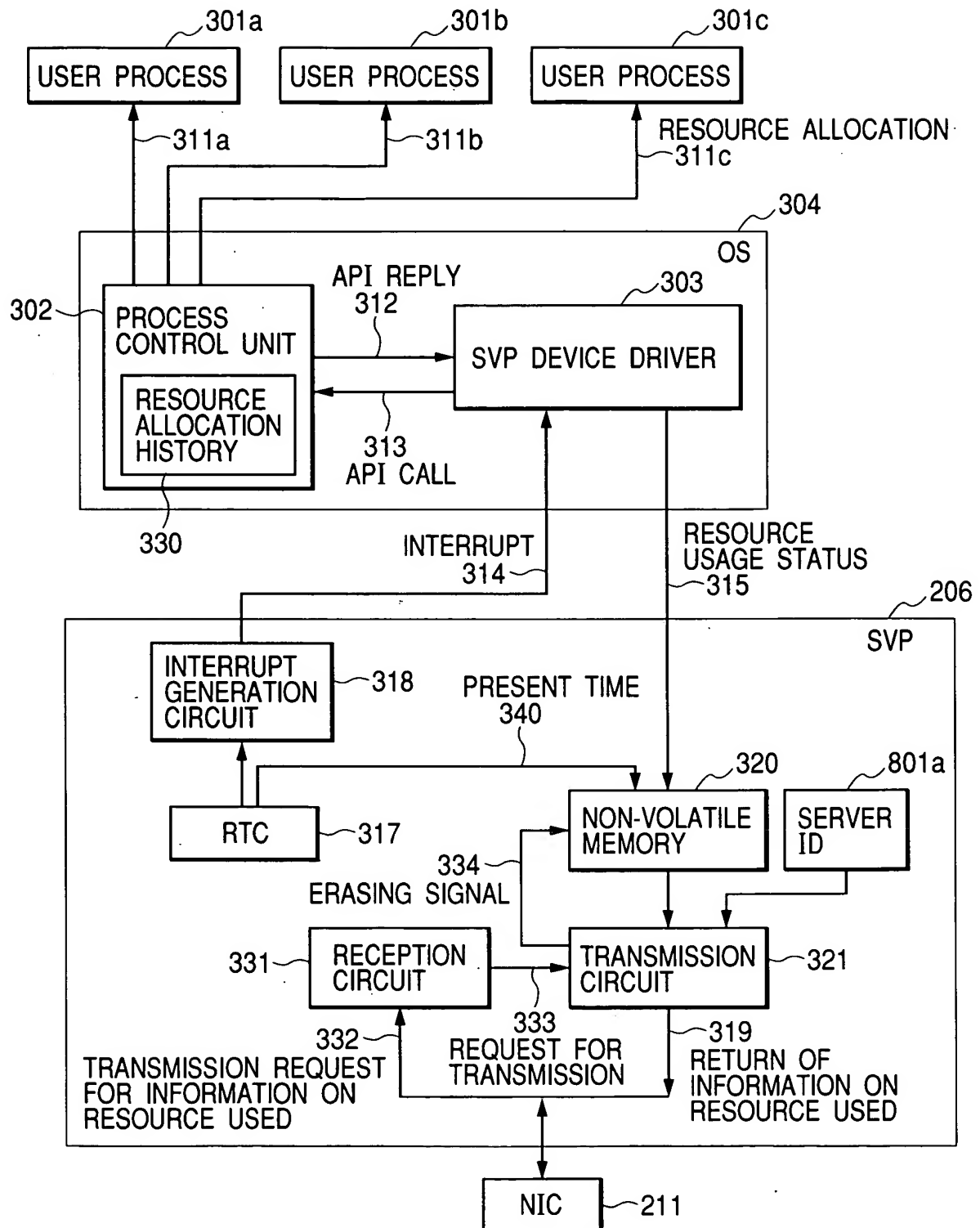


FIG. 2



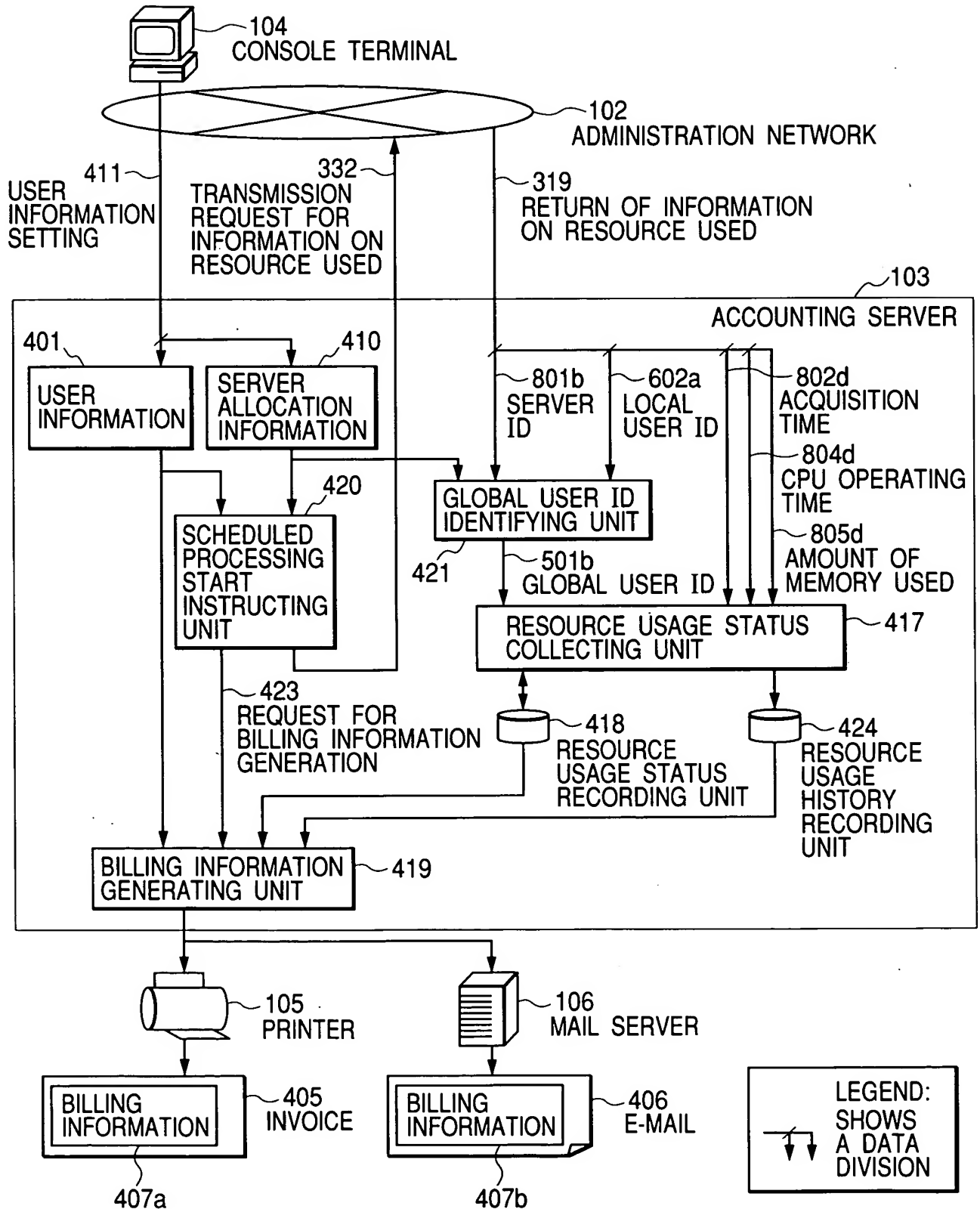
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FIG. 3



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FIG. 4



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FIG. 5

USER INFORMATION ENTRY FORM

1802a

502b USER NAME COMPANY B

501f GLOBAL USER ID 1001

504b MAIL ADDRESS yyy@b-company.com

503b ACCOUNT NUMBER 1230011

1815 REMARKS INFORMATION SYSTEM DEPARTMENT OF B SECURITY CO., LTD.

1801 USER REGISTRATION WINDOW

1803 DESIGNATED WINDOW FOR SERVER USED

1806a

1806b

1806c

SERVER ALLOCATION INFORMATION ENTRY FORM

1805a CONFIRMATION BUTTON

1805b NO

1805c CANCEL

1818 RE-ENTERED PASSWORD

1819

602f

801e

201

200

0

1

YES

NO

CANCEL

1802b

1802c

1802d

1802e

1802a

1802b

1802c

1802d

1802e

1802f

1802g

1802h

1802i

1802j

1802k

1802l

1802m

1802n

1802o

1802p

1802q

1802r

1802s

1802t

1802u

1802v

1802w

1802x

1802y

1802z

1802aa

1802ab

1802ac

1802ad

1802ae

1802af

1802ag

1802ah

1802ai

1802aj

1802ak

1802al

1802am

1802an

1802ao

1802ap

1802aq

1802ar

1802as

1802at

1802au

1802av

1802aw

1802ax

1802ay

1802az

1802ba

1802bb

1802bc

1802bd

1802be

1802bf

1802bg

1802bh

1802bi

1802bj

1802bk

1802bl

1802bm

1802bn

1802bo

1802bp

1802bq

1802br

1802bs

1802bt

1802bu

1802bv

1802bw

1802bx

1802by

1802bz

1802ca

1802cb

1802cc

1802cd

1802ce

1802cf

1802cg

1802ch

1802ci

1802cj

1802ck

1802cl

1802cm

1802cn

1802co

1802cp

1802cq

1802cr

1802cs

1802ct

1802cu

1802cv

1802cw

1802cx

1802cy

1802cz

1802da

1802db

1802dc

1802dd

1802de

1802df

1802dg

1802dh

1802di

1802dj

1802dk

1802dl

1802dm

1802dn

1802do

1802dp

1802dq

1802dr

1802ds

1802dt

1802du

1802dv

1802dw

1802dx

1802dy

1802dz

1802ea

1802eb

1802ec

1802ed

1802ee

1802ef

1802eg

1802eh

1802ei

1802ej

1802ek

1802el

1802em

1802en

1802eo

1802ep

1802eq

1802er

1802es

1802et

1802eu

1802ev

1802ew

1802ex

1802ey

1802ez

1802fa

1802fb

1802fc

1802fd

1802fe

1802ff

1802fg

1802fh

1802fi

1802fj

1802fk

1802fl

1802fm

1802fn

1802fo

1802fp

1802fq

1802fr

1802fs

1802ft

1802fu

1802fv

1802fw

1802fx

1802fy

1802fz

1802ga

1802gb

1802gc

1802gd

1802ge

1802gf

1802gg

1802gh

1802gi

1802gj

1802gk

1802gl

1802gm

1802gn

1802go

1802gp

1802gq

1802gr

1802gs

1802gt

1802gu

1802gv

1802gw

1802gx

1802gy

1802gz

1802ha

1802hb

1802hc

1802hd

1802he

1802hf

1802hg

1802hh

1802hi

1802hj

1802hk

1802hl

1802hm

1802hn

1802ho

1802hp

1802hq

1802hr

1802hs

1802ht

1802hu

1802hv

1802hw

1802hx

1802hy

1802hz

1802ia

1802ib

1802ic

1802id

1802ie

1802if

1802ig

1802ih

1802ii

1802ij

1802ik

1802il

1802im

1802in

1802io

1802ip

1802iq

1802ir

1802is

1802it

1802iu

1802iv

1802iw

1802ix

1802iy

1802iz

1802ja

1802jb

1802jc

1802jd

1802je

1802jf

1802jg

1802jh

1802ji

1802jj

1802jk

1802jl

1802jm

1802jn

1802jo

1802jp

1802jq

1802jr

1802js

1802jt

1802ju

1802jv

1802jw

1802jx

1802jy

1802jz

1802ka

1802kb

1802kc

1802kd

1802ke

1802kf

1802kg

1802kh

1802ki

1802kj

1802kk

1802kl

1802km

1802kn

1802ko

1802kp

1802kq

1802kr

1802ks

1802kt

1802ku

1802kv

1802kw

1802kx

1802ky

1802kz

1802la

1802lb

1802lc

1802ld

1802le

1802lf

1802lg

1802lh

1802li

1802lj

1802lk

1802ll

1802lm

1802ln

1802lo

1802lp

1802lq

1802lr

1802ls

1802lt

1802lu

1802lv

1802lw

1802lx

1802ly

1802lz

1802ma

1802mb

1802mc

1802md

1802me

1802mf

1802mg

1802mh

1802mi

1802mj

1802mk

1802ml

1802mm

1802mn

1802mo

1802mp

1802mq

1802mr

1802ms

1802mt

1802mu

1802mv

1802mw

1802mx

1802my

1802mz

1802na

1802nb

1802nc

1802nd

1802ne

1802nf

1802ng

1802nh

1802ni

1802nj

1802nk

1802nl

1802nm

1802nn

1802no

1802np

1802nq

1802nr

1802ns

1802nt

1802nu

1802nv

1802nw

1802nx

1802ny

1802nz

1802oa

1802ob

1802oc

1802od

1802oe

1802of

1802og

1802oh

1802oi

1802oj

1802ok

1802ol

1802om

1802on

1802oo

1802op

1802oq

1802or

1802os

1802ot

1802ou

1802ov

1802ow

1802ox

1802oy

1802oz

1802pa

1802pb

1802pc

1802pd

1802pe

1802pf

1802pg

1802ph

1802pi

1802pj

1802pk

1802pl

1802pm

1802pn

1802po

1802pp

1802pq

1802pr

1802ps

1802pt

1802pu

1802pv

1802pw

1802px

1802py

1802pz

1802qa

1802qb

1802qc

1802qd

1802qe

1802qf

1802qg

1802qh

1802qi

1802qj

1802qk

1802ql

1802qm

1802qn

1802qo

1802qp

1802qq

1802qr

1802qs

1802qt

1802qu

1802qv

1802qw

1802qx

1802qy

1802qz

1802ra

1802rb

1802rc

1802rd

1802re

1802rf

1802rg

1802rh

1802ri

1802rj

1802rk

1802rl

1802rm

1802rn

1802ro

1802rp

1802rq

1802rr

1802rs

1802rt

1802ru

1802rv

1802rw

1802rx

1802ry

1802rz

1802sa

1802sb

1802sc

1802sd

1802se

1802sf

1802sg

1802sh

1802si

1802sj

1802sk

1802sl

1802sm

1802sn

1802so

1802sp

1802sq

1802sr

1802ss

1802st

1802su

1802sv

1802sw

1802sx

1802sy

1802sz

1802ta

1802tb

1802tc

1802td

1802te

1802tf

1802tg

1802th

1802ti

1802tj

1802tk

1802tl

1802tm

1802tn

1802to

1802tp

1802tq

1802tr

1802ts

1802tt

1802tu

1802tv

1802tw

1802tx

1802ty

1802tz

1802ua

1802ub

1802uc

1802ud

1802ue

1802uf

1802ug

1802uh

1802ui

1802uj

1802uk

1802ul

1802um

1802un

1802uo

1802up

1802uq

1802ur

1802us

1802ut

1802uu

1802uv

1802uw

1802ux

1802uy

1802uz

1802va

1802vb

1802vc

1802vd

1802ve

1802vf

1802vg

1802vh

1802vi

1802vj

1802vk

1802vl

1802vm

1802vn

1802vo

1802vp

1802vq

1802vr

1802vs

1802vt

1802vu

1802vv

1802vw

1802vx

1802vy

1802vz

1802wa

1802wb

1802wc

1802wd

1802we

1802wf

1802wg

1802wh

1802wi

1802wj

1802wk

1802wl

1802wm

1802wn

1802wo

1802wp

1802wq

1802wr

1802ws

1802wt

1802wu

1802wv

1802ww

1802wx

1802wy

1802wz

1802xa

1802xb

1802xc

1802xd

1802xe

1802xf

1802xg

1802xh

1802xi

1802xj

1802xk

1802xl

1802xm

1802xn

1802xo

1802xp

1802xq

1802xr

1802xs

1802xt

1802xu

1802xv

1802xw

1802xx

1802xy

1802xz

1802ya

1802yb

1802yc

1802yd

1802ye

1802yf

1802yg

1802yh

1802yi

1802yj

1802yk

1802yl

1802ym

1802yn

1802yo

1802yp

1802yq

1802yr

1802ys

1802yt

1802yu

1802yv

1802yw

1802yx

1802yy

1802yz

1802za

1802zb

1802zc

1802zd

1802ze

1802zf

1802zg

1802zh

1802zi

1802zj

1802zk

1802zl

1802zm

1802zn

1802zo

1802zp

1802zq

1802zr

1802zs

1802zt

1802zu

1802zv

1802zw

1802zx

1802zy

1802zz

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FIG. 6

401

USER INFORMATION			
501a	502	503	504
GLOBAL USER ID	USER NAME	ACCOUNT NUMBER	MAIL ADDRESS
1000	COMPANY A	1230001	xxx@a-company.com
1001	COMPANY B	1230011	yyy@b-company.com
1002	ORGANIZATION C	3400123	zzz@c-organization.org

FIG. 7

312

API REPLY			
601	602b	603	604
PROCESS ID	LOCAL USER ID	CPU OPERATING TIME	AMOUNT OF MEMORY USED
100	200	10 μ s	10MB
101	200	20 μ s	10MB
102	201	20 μ s	20MB

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FIG. 8

315

RESOURCE USAGE STATUS		
602c	703	704
LOCAL USER ID	CPU OPERATING TIME	AMOUNT OF MEMORY USED
200	30 μ s	20MB
201	20 μ s	20MB

FIG. 9

319

RETURN OF INFORMATION ON RESOURCE USED				
801c	802	602d	804	805
SERVER ID	ACQUISITION TIME	LOCAL USER ID	CPU OPERATING TIME	AMOUNT OF MEMORY USED
0	2003/01/13 13:02:11.00.01	200	30 μ s	20MB
0	2003/01/13 13:02:11.00.01	201	20 μ s	20MB
0	2003/01/13 13:02:11.00.00	200	25 μ s	20MB
0	2003/01/13 13:02:11.00.00	201	40 μ s	15MB
⋮	⋮	⋮	⋮	⋮
0	2003/01/13 13:01:00.00.20	200	35 μ s	15MB

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FIG. 10

410

SERVER ALLOCATION INFORMATION		
801d SERVER ID	602e LOCAL USER ID	501c GLOBAL USER ID
0	200	1000
0	201	1001
1	200	1001
2	200	1002

FIG. 11

418

RESOURCE USAGE STATUS RECORDING UNIT		
501d GLOBAL USER ID	1002 CUMULATIVE CPU OPERATING TIME	1003 CUMULATIVE AMOUNT OF MEMORY USED
1001	1h20m	2.40GB*hour
1002	1h10m	2.20GB*hour
1003	2h00m	4.00GB*hour

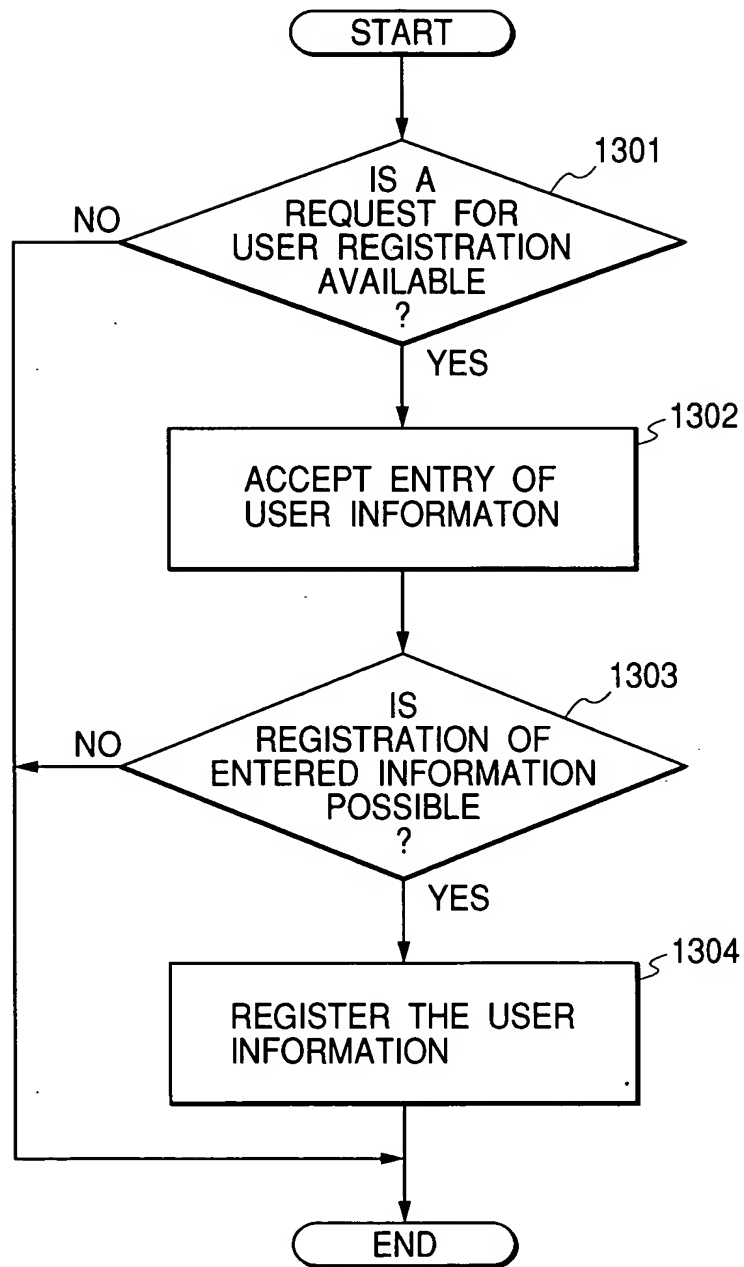
FIG. 12

424

RESOURCE USAGE HISTORY RECORDING UNIT			
501e GLOBAL USER ID	1202 DATE	1203 CPU OPERATING TIME	1204 AMOUNT OF MEMORY USED
1001	2003/01/01	0h05m	0.2GB * hour
1001	2003/01/02	0h05m	0.2GB * hour
1001	2003/01/03	0h10m	0.4GB * hour
⋮	⋮	⋮	⋮
1001	2003/01/31	0h30m	1.2GB * hour
1002	2003/01/01	0h10m	0.5GB * hour
1002	2003/01/02	0h10m	0.5GB * hour

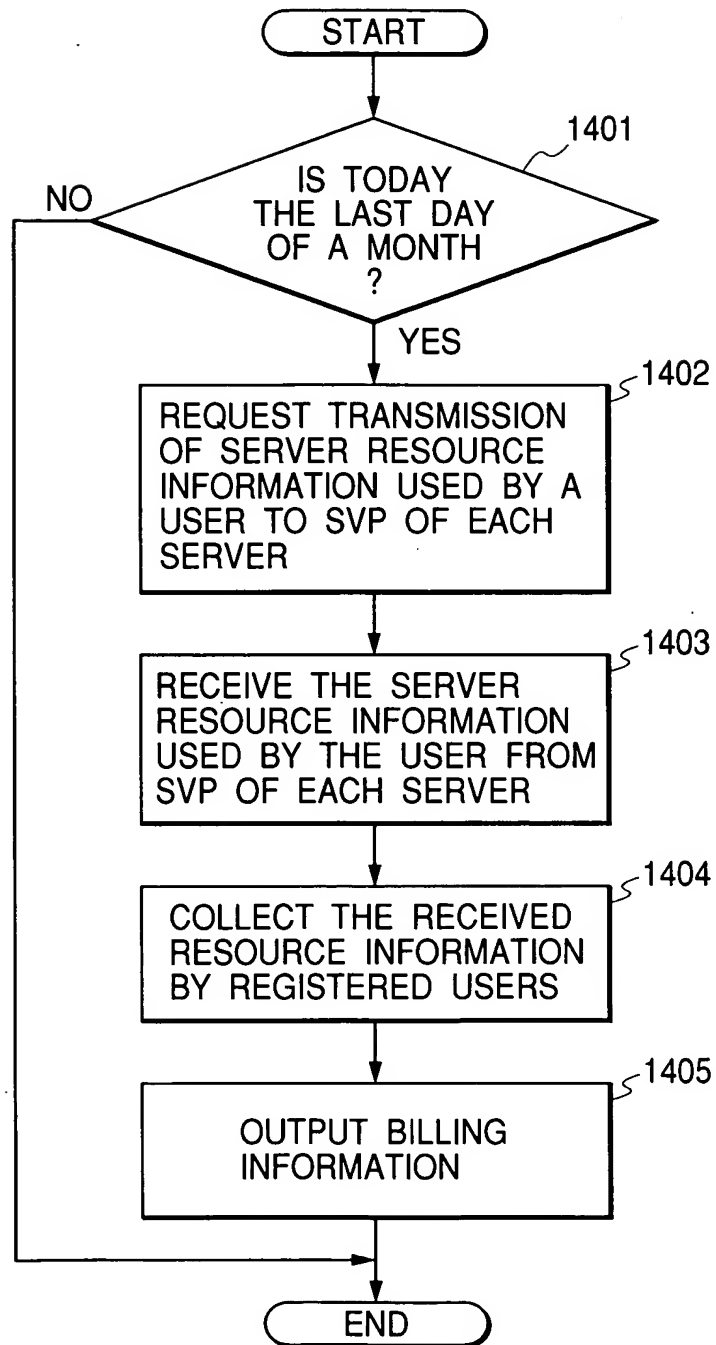
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FIG. 13



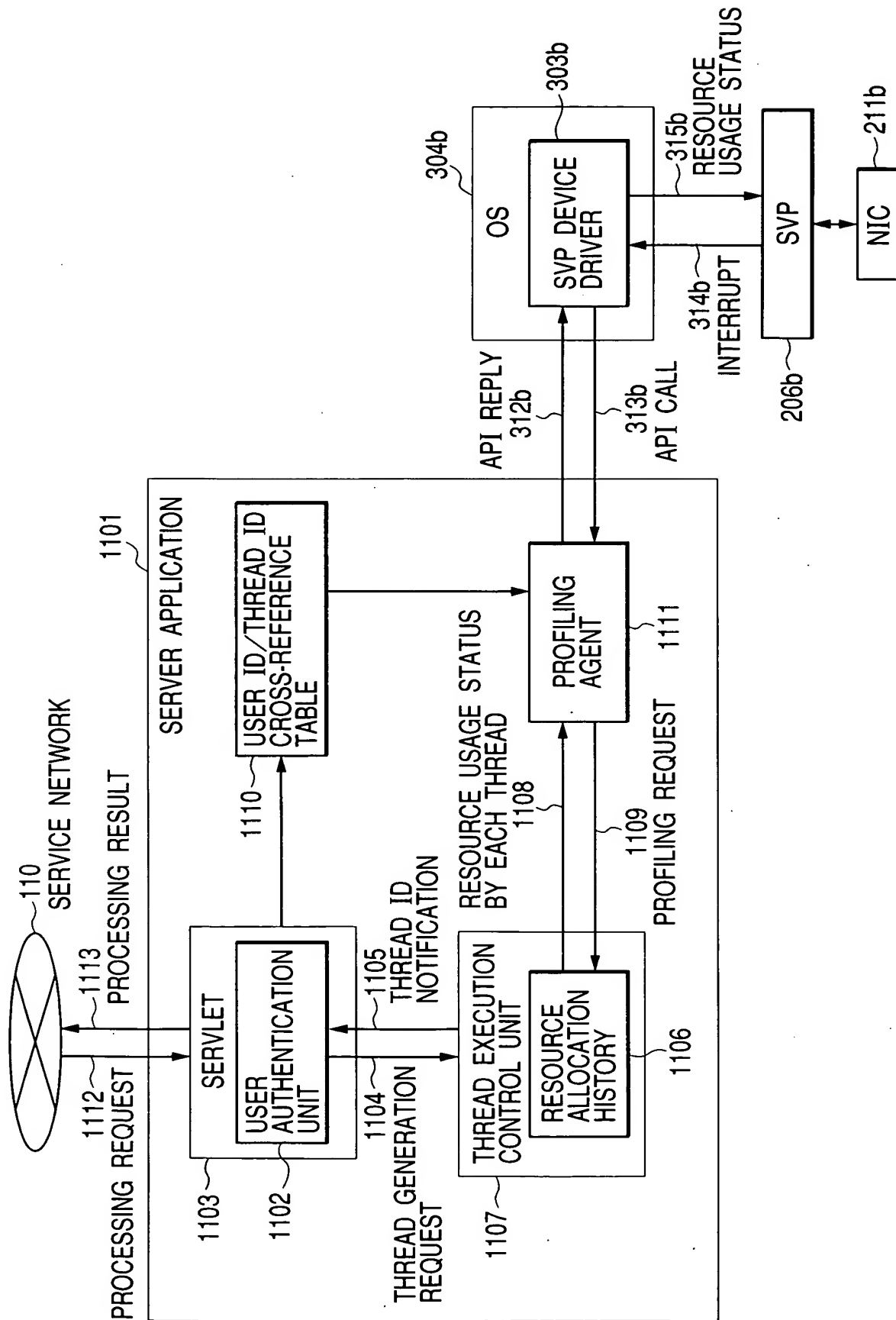
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FIG. 14

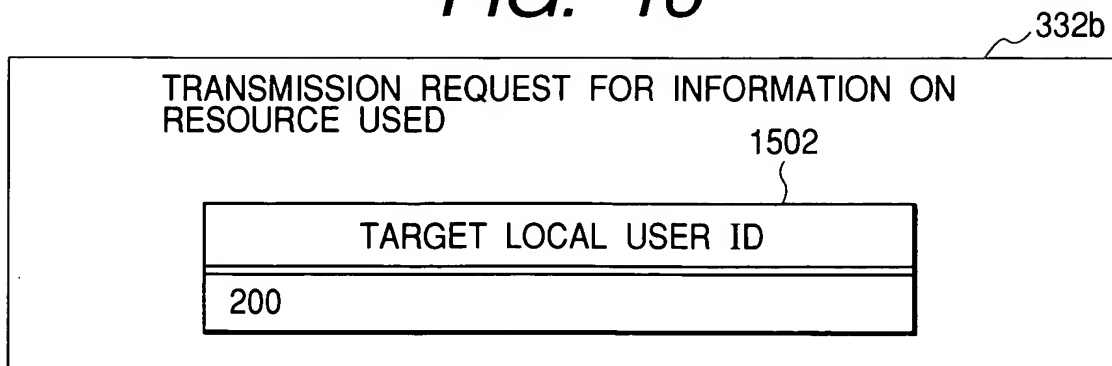


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FIG. 15



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FIG. 16**FIG. 17**

319b

RETURN OF INFORMATION ON RESOURCE USED

802b ACQUISITION TIME	602g LOCAL USER ID	804b CPU OPERATING TIME	805b AMOUNT OF MEMORY USED
2003/01/13 13:02:11.00.01	1000	30 μ s	20MB
2003/01/13 13:02:11.00.00	1000	25 μ s	20MB
⋮	⋮	⋮	⋮
2003/01/13 13:01:00.00.20	1000	35 μ s	15MB

FIG. 18

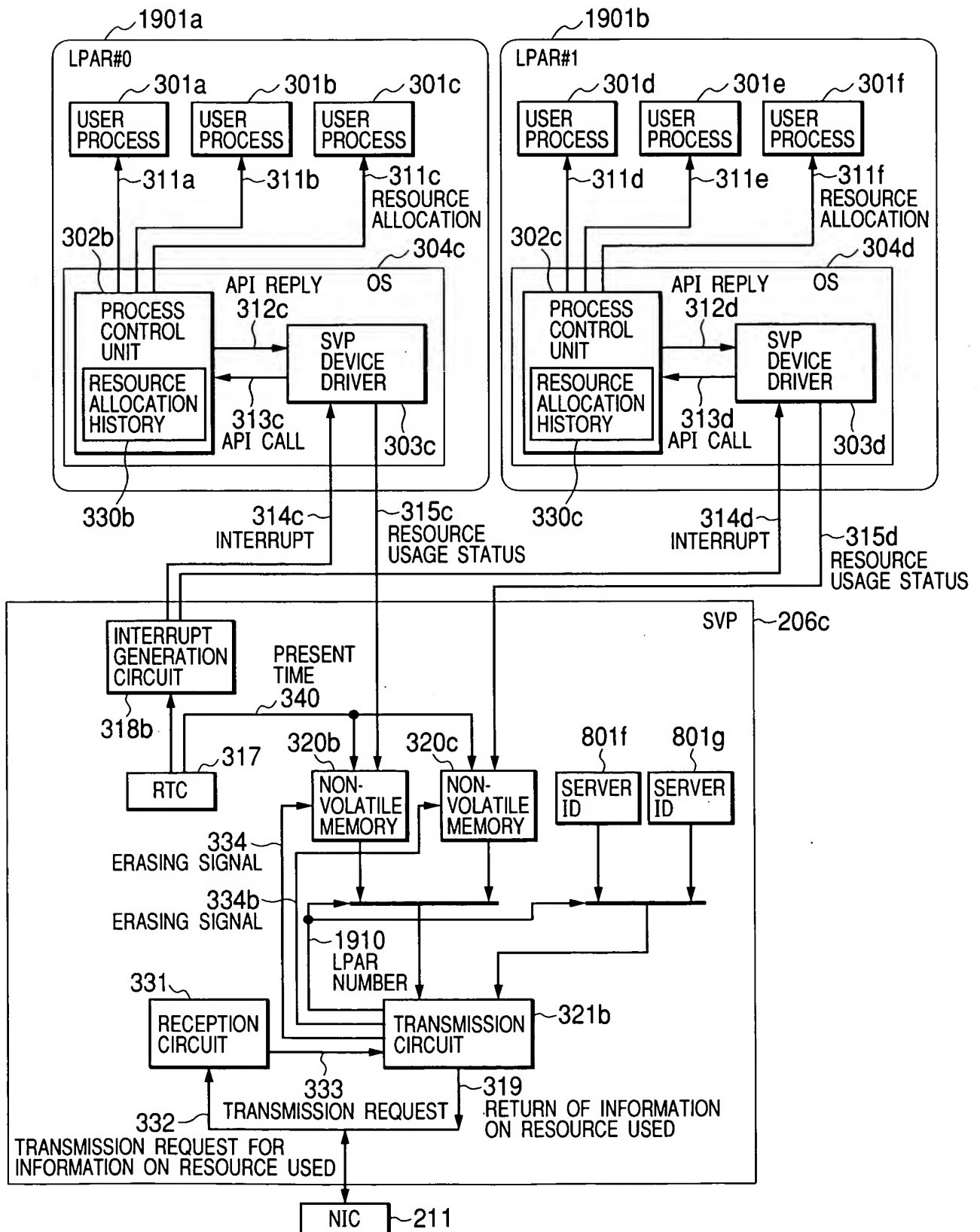
319c

RETURN OF INFORMATION ON RESOURCE USED

802c ACQUISITION TIME	602h LOCAL USER ID	804c CPU OPERATING TIME	805c AMOUNT OF MEMORY USED
2003/01/01 00:00:00.00.00	-1	0 μ s	0MB

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FIG. 19



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FIG. 20

